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WK.		1,001,589			Hatfield		08-23-1911	
OK		2,708,656			Fermi		05-17-1955	
OK		3,297,484			Niedrach		01-10-1967	
8)X		3,300,345			Lyons		01-24-1967	
(C)	1	3,359,422			Pollock		12-19-1967	
anz		3,377,265			Caeser		04-09-1968	
0/0		3,448,035			Serfass		06-03-1969	
~	8	6,69/4	~		Becou		-06-13-1972	
(DK		3,701,632			Lovelock		10-31-1972	<del></del>
		3,755,128			Herwig		08-28-1973	
(C)		3,816,192			Brower		06-11-1974	
SK		3,835,019			Lovelock		09-10-1974	
DK		3,917,520			Katz		11-04-1975	
SK		4,265,720			Winstel		05-05-1981	<del></del>
SIC SIC		4,274,938 Schulten		Schulten		06-23-1981		
SK	4,487,670		Bellanger		12-11-1984			
@K	4,512,966			Nelson		04-23-1985		
				11	1			
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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	_	4,568,568			Asano		02-04-1986		
ØK.	_	4,664,904			Wolfrum		05-12-1987		
EX.		4,737,249			Shepard Jr.		04-12-1988		
OK		4,774,065			<del>:Ponzorn</del> Pen-	zhorn	09-27-1988		
OK		4,923,770			Grasselli		05-08-1990		
QK	<u>.   </u>	4,968,395			Pavelle	·	11-06-1990		
QX-	<u> </u>	4,986,887	·		Gupta		01-22-1991		
SX.		5,215,729			Buxbaum		06-01-1993		
OX.		5,318,675			Patterson		06-07-1994		
8)K		5,372,688	,		Patterson		12-13-1994		
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	U.S. PATENT DOCUMENTS												
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QX_		wo	90/10935	A1	Pons	09-20-1990	
50%		wo	90/14668	A2	Cravens	11-29-1990	
<u> </u>		wo	91/01036	A1	Dufour	.01-24-1991	
STK	<u> </u>	wo	91/08573	A1	Rush	06-13-1991	
ONE		wo	93/17437	A1	Rush	09-02-1993	
Ø)K		wo	94/10688	A1	Dufour	05-11-1994	_ `
OK.		wo	94/14163	A1	McKubre	06-23-1994	
OK_		WO_	94/15342	A1	Meterne Crouch - Baker	07-07-1994	
SX.		wo	95/20816	A1	Piantelli	08-03-1995	
Q)Y		WΩ	90/13126	A1	Mills	11-01-1990	
OK.		wo	92/10838	A1	Mills	06-25-1992	
OK		wo.	94/29873	A1	Mills	12-22-1994	
201		wo	96/42085	A2	Mills	12-27-1996	
OK		FP	0 392 325	A3	Semiconductor Free gy	10-17-1990	
SOK		FP	0 395 066	A2	Matsushita Electric Ind	10-31-1990	
OK.		.iР	53-134792		Ind Res Inst Of Japan	11-24-1978	X
QK_		JP	56-136644		Hitachi	03-28-1980	X
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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
94		Albagli, et. al., "Measurement and Analysis of Neutron and Gamma-Ray Emission Rates, Other Fusion Products, and Power in Electrochemical Cells Having Pd Cathodes (1990) Mount Word							
ØX.		Alber, et. al.,"Search for Neutrons from Cold Nuclear Fusion", Z. Phys. A Atomic Nuclei, Vol. 333, 1989, pp. 319-320.							
ØK.		Alessandrello, et. al., "Search for Cold Fusion Induced by Electrolysis in Palladium", Il Nuovo Cimento, Vol. 103A, No. 11, November 1990, pp. 1617-1638.							
ØX		Associated Press, "Panel Opposes Cold Fusion Efforts", The Washington Post, July 13, 1989, p. A14.							
DK.		The Associated Press, "Pennsylvania CompanyCold Fusion Mystery"; 1991, Lexis Nexis Reprint							
	Ć	-Associated Press, "Pysicist. Utah Cold-Fusion Gear Doesnit Work", The Washington, Post, March 29, 1990, p. 43.							
ØK		Balke, et. al., "Limits on Neutron Emission From "Cold Fusion" in Metal Hydrides", Physical Review C, Vol. 42, No. 1, July 1990, pp. 30-37.							
ØK	-	Benetskii, et. al., "An Attempt to Observe Cold Thermonuclear Fusion in a Condensed Medium", 4, May 1989, Nuclear Research Institute, AS USSR, pp. 75-78.							
OX.		Besenbacher, et. al., "Search for Cold Fusion in Plasma-Charged Pd-D and Ti-D Systems", Journal of Fusion Energy, Vol. 9, No. 3, September 1990, pp. 315-317.							

Examiner Signature	Date Considered	10/6/	99
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OK_		Bishop, "More Labs Report Cold Fusion Results", Wall Street Journal, Oct. 19, 1992.						
9K		Bishop, "It ain't over til it's over Cold Fusion", Popular Science, Aug. 1993, pp. 47-51.						
		Black Light Power "Executive Summery", January 11, 1999, pp. 1-6						
6K		Boston Globe, Wednesday, April 19, 1989, "Successful nuclear fusion experiment by the Italians"						
\$		Braaten, "Ridiculously Easy Test Yields Claim of Energy Triumph," The Washington Times, March 24, 1989, p. A5.						
Q		Broad, "2 Teams Put New Life in Cold Fusion Theory", New York Times, April 26, 1991, p. A18.						
ØK.		Browne, "Fusion Claims is Greeted With Scorn by Physicists", The New York Times, May 3, 1989, pp. A1 and A22.						
JK		Browne, "Pysicists Put Atom in 2 Places at Once", The New York Times.						
6K		Bush, et. al., "Power in a Jar: the Debate Heats Up", 88 Bus. Week, Science & Technology, Oct. 26, 1992.						
OH.		Bush, et. al., "Helium Production During the ElectrolysisExperiments", J. Electroanal Chem., Vol. 304 (1991), pp. 271-278.						
		Bush, et. al., "Helium Production During the ElectrolysisExperiments", Preliminary Note, Univ. of Texas, pp. 1-12.						
(M)C		Catlett, et. al., "Hydrogen transport in lithium hydride as a function of pressure" The Journal of Chemical Physics, <u>58</u> (8), 3432-3438 (April 1978).						
OOK		Chapline, "Cold Confusion", UCRL-101583, July 1989, pp. 1-9.						
0		Chien, et. al., "On an ElectrodeTritium and Helium", J. Electroanal Chem., 1992, pp. 189-212.						
OK.		Close, "Too Hot to Handle-The Race for Cold Fusion", Princeton University Press, 1989.						

Date Considered

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Q		Cooke, ORNL/FTR-3341, July 31, 1989, pp. 2-15.	~				
SK		Cribier, et. al., "Conventional Sources of Fast Neutrons in Cold Fusion Experiments", Physics Letters B, Vol. 228, No. 1, September 7, 1989, pp. 163-166.					
OK		Criddle, "The Roles of SolutionExcess Heating", Electrochemical Science & Technology Centre, Univ. of Ottawa.					
ØZ		Datz, et. al., "Molecular Association in Alkali Halide Vapors", Journal of Chemical Physics, vol. 34, no. 5, (Feb. 1961), pp.558-564.					
0K		Dagani, "Cold Fusion-Utah Pressures Pons, Fleischmann", January 14, 1991, C&EN, pp. 4-5.					
8		Dagani, "Latest Cold Fusion Results Fail to Win Over Skeptics", June 14, 1993, C&EN, pp.38-40.					
Ø_		Dagani, "New Evidence Claimed for Nuclear Process in 'Cold Fusion'", C&EN Washington, (April 1991), pp. 31-33					
6K_		Experimental Verification by Idaho National Engineering Laboratory, pp. 13-25.	)				
		Faller, et. al., "Investigation of Cold Fusion in Heavy Water", J. Radioanal. Nucl. Chem., Letter, Vol. 137, No. 1, August 21, 1989, pp. 9-16.;					
ÔK.		Hajdas, et. al., "Search for Cold-Fusion Events", Solid State Communications, Vol. 72, No. 4, 1989, pp. 309-313.					
DK,		Hardy, et. al., "The Volatility of Nitrates and Nitrites of the Alkali Metals", Journal of the Chemical Society, pp. 5130-5134 (1963).					
Ø.		Hilts, "Significant Errors Reported in Utah Fusion Experts," The Washington Post, May 2, 1989, pp. A1 and A7.					
OX		Horanyi, "Some Basic Elctrochemistry and the Cold Nuclear Fusion of Deuterium", J. Radioanal. Nucl. Chem., Letters, Vol. 137, No. 1, August 21, 1989, pp. 23-28.					

Examiner Signature Date Considered 1.0 6 99		/ <b>/</b>		/_/	
	Examiner	SHAIR	Considered	[0/0]	77

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0/-		Huizenga, "Cold Fusion-The Scientific Fiasco of the Century", Oxford University Press, 1993  (M) (M) (N) (A)					
SX		Huizenga, "Cold Fusion Labled Fiasco of the Ceptury", Forum for Applied Research and Public Policy, Vol. 7, no. 4, pp. 78-83.					
0		Jones, (article by Dagani), "Cold Fusion Believer Research", June 5, 1995, C&EN, pp. 34-41.					
OK.		Jones, "Current Issues in Cold Fusion Particles", Surface and Coatings Technology, 51 (1992), pp. 283-289.					
0		Jones, et. al., "Faradic Efficiencies Cells", J. Phys. Chem. 1995, pp. 6973-6979.	(vans)				
Ó		Jones, et. al., "Examination of Claims of Miles Experiments", J. Phys. Chem. 1995, pp. 6966-6972.					
Ď.		Ivanco, et. al., "Calorimetry For a Ni/K <sub>2</sub> CO <sub>3</sub> Cell", AECL Research, June 1994.					
RX		Kahn, "Confusion in a Jarr", Nova 1991. (M ONTH WENDED)					
OX	-	Karabut, et. al., "Nuclear ProductDeuterium", Physics Letters A170, (1992), pp. 265- 272.	1				
OF.		Klein, "Attachments to Report of Cold Fusion Testing", Cold Fusion, No. 9, pp. 16-19.	wkin)				
		Kreysa, et. al., "A Critical Analysis of Electrochemical Nuclear Fusion Experiments", J. Electroanal. Chem., Vol. 266, 1989, pp. 437-450.	·				
		Labov, "Spectral ObservationsBackground", The Astrophysical Journal, 371, April 20, 1991, pp. 810-819.					
6X		Leggett, et. al., "Exact Upper Bound'Cold Fusion", Physical Review Letters, Vol. 63, No. 2, (July 1989), pp. 190-194					
OX		Lehigh X-Ray Photoelectron Spectroscopy Report, December 8, 1993.					
Of		Lewis, et. al., "Searches for Low-Temperature Nuclear Fusion of Deuterium in Palladium", Nature, Vol. 340, August 17, 1989, pp. 525-530.					

Examiner Signature	Ghall		Date Considered	10/	6/9	79	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Pray line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant."							

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0/		Maly, et. al., "Electron Transitions on Deep Dirac Levels I", ANS Reprint, Fusion Technology, Vol. 24, (Nov. 1993), pp. 307-318.	
OX.		McNally, "On the Possibility of a Nuclear Mass-Energy Resonance in D + D Reactions at Low Energy", Fusion Technology, Vol. 16, No. 2, September 1989, pp. 237-239.	
		Miles, et. al., "Search for Anomalous Effects Palladium Cathodes", Naval Air Warfare Center Weapons Division, Proceedings of 3 <sup>rd</sup> Int. Conf. on Cold Fusion, Nagoya, Japan, (Oct. 1992), pp. 21-25.	
(S)K		Miles et al, "Correlation of Excess, Palladium Cathodes", J. Electronl. Chem., 1993, pp. 99-117.	
0/2		Miles et al, "Heat and HeliumExperiments", Conference Proceedings, Vol. 33, 1991, pp. 363-372.	
0/		Miles et al, "ElectrochemicalPalladium Deuterium System", J. Electroanal Chem., 1990, pp. 241-254.	
OK		Mills, et al, "Dihydrino Molecule Identification", Fusion Technology, Vol. 25, Jan., 1994, pp 103-119.	
OK		Mills, et. al., "Fractional QuantumHydrogen", Fusion Technology, Vol. 28, Nov. 1995, pp. 1697-1719.	
\$		Mills, et. al., "Excess Heat ProductionCold Fusion", Fusion Technology, Vol. 20, Feb. 1991, pp. 65-81.	
0/		Mills, Unification of Spacetime, the Forces, Matter, Energy, HydroCatalysis Power Corporation, 1992, pp. 53-84.	
OC.		Mills, "The Grand Unified Theory of Classical Quantum Mechanics", pp. 1-9	NOWA)
0K		Mills, "Hydrocatalysis Power Technology", Statement of Dr. Randell L. Mills, May, 1993.	
OX	-	Mills Technologies, "1KW Heat Exchanger System", Thermacore, Inc., Oct. 11 1991, pp. 1-6	
- ,		1/00	-
		Z/ 1/ K / ///	

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6/	\	Mills Technologies, "1KW Heat Exchanger System", Thermacore, Inc., April 16, 1992, pp. 1-6	
18		Miskelly, et. al., "Analysis of the Published Calorimetric Evidence for Electrochemical Fusion of Deuterium in Palladium", Science, Vol. 246, No. 4931, November 10, 1989, pp. 793-96.	
ØK		. Monroe, et. al., "A Schrodinger Cat Superposition State of an Atom", Science, Vol. 272, (May 24, 1996), pp 1131-1101.	
(SZ		Morrison, "Review of Progress in Cold Fusion", Transactions of Fusion Technology, Vol. 26, Dec. 1994, pp. 48-55.	
		Morrison, "Cold Fusion Update No. 12, ICCPG", Jan. 17, 1997, available online at "www.skypoint.com".	
X		Niedra, "Replication of the Apparent Excess Heat Effect in Light Water Cell", NASA Technical Memorandum 107167, (Feb. 1996).	
		Nieminen, "Hydrogen atoms band together", Nature, Vol. 356, 26 March 1992, pp. 289-291.	
0)K	ļ	Noninski, et. al., "DeterminationHeavy Water", Fusion Technology, 1990, Vol. 19, pp. 365-367.	
01	- 1	Noninski, "Excess Heat During the Electrolysis of a Light WaterNickel Cathode", Fusion Technology, Vol. 21, March 1992, pp. 163-167.	
DK.	1	Notoya, et. al., "Excess Heat Production in Electrolysis Electrodes", Proceedings of the Int. Conf. on Cold Fusion, Oct. 21-25, 1992, Tokyo, Japan.	
	/	Notoya, "Cold Fusion Nickel Electrode", Fusion Technology, Vol. 24, pp. 202-204 (1993).	
ØK-		Notoya, "Tritium Generation Nickel Electrodes", Fusion Technology, Vol. 26, pp. 179-183 (1994). (See La fall)	
8)X	1	Ohashi, et al, "Decoding of Thermal Data in Fleischmann & Pons Paper", J. of Nucl. Sci & Tech., Vol. 26, No. 7, July 1989, pp. 729-732.	

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ØK.	1	Oka, et. al., "D <sub>2</sub> O-fueled fusion power reactor using electromagnetically induced D-D <sub>n</sub> , D-D <sub>p</sub> , and Deuterium-tritium reactions-preliminary design of a reactor system", Fusion Technology, Vol. 16, No. 2, September 1989, pp. 263-267.							
ØK.	1	Dhmori, et. al., "Excess Heat Evolution Tin Cathodes" Fusion Technology, Vol. 24, op. 293-295 (1993).							
SX SX	7	Price, et. al., "Search for Energetic-Charged Particle Emission from Deuterated Ti and Pd Foils", Physical Review Letters, Vol. 63., No. 18, pp. 1926-1929 (10/30/1989).							
801	- (	Rees, "Cold FusionWhat Do We Think?", Journal of Fusion Energy, (1991), Vol. 10, No. 1, pp. 110-116.							
8X	(	Rogers, "Isotopic hydrogen fusion in metals", Fusion Technology, Vol. 16, No. 2, September 1989, pp. 2254-259.							
0K	14	Rousseau, "Case Studies in Pathological Science", Vol. 80, American Scientist, (1992), pp. 54-63.							
5)X	1	Rout, et. al., "Phenomenon of Low Energy Emissions from Hydrogen/Deuterium Loaded Palladium", 3 <sup>rd</sup> Annual Conference on Cold Fusion (Oct. 21-25, 1992).							
	/	Salamon, et. al., "Limits Electrolytic Cells", Nature, Vol. 344, March 29, 1990, pp. 401-405.							
0/	1	Schrieder, et. al., "Search for Cold Nuclear Fusion in Palladium-Deuterice", Z. Phys. B-Condensed Matter, Vol. 76, No. 2, 1989, pp. 141-142.							
06	/	Service, "Cold Fusion:Still Going", Newsweek Focus, July 19, 1993.							
&JK		Shani, et. al., "Evidence for a Background Neutron Enhanced Fusion in Deuterium Absorbed Palladium", Solid State Communications, Vol. 72, No. 1, 1989, pp. 53-57.							
SK	/	Shaubach, et. al., "Anomalous HeatCarbonate", Thermacore, Inc., pp. 1-10.							
Ø.	/	Srinivasan, et. al., "Tritium and Excess Heat Generation during Electrolysis of Aqueous Solutions of Alkali Salts with Nickel Cathode", 3 <sup>rd</sup> Annual Conference on Cold Fusion (Oct. 21-25, 1992).							
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54	/	Stein, "Theory May Explain Cold Fusion Puzzle", Lexis Reprint, Washington News, April 25, 1991.							
OK		Storms, et. al., "Electrolytic Tritium Production", Fusion Technology, Vol. 17, July 1990, pp. 680-695.							
OK		Stripp, "Georgia Group Outlines Errors That Led to Withdrawal of Cold Fusion Claims", The Wall Street Journal, April 26, 1989, p. B4.							
8/	/	Suplee, "Two New Theories on Cold FusionScientists"; The Washington Post 1 <sup>st</sup> Section, p. A11, (1991).							
ELK.		Taubes, "Bad Science", Random House, 1993, pp. 303, 425-481.							
OK	` /	Vaselli et al., "Screening Effect of Impurities in Metals: A possible Explanation of the Process of Cold Nuclear Fusion", 11 Nuovo Cimento Della Societa Italiana di Fisica, Vol. 11D, No. 6, June 1989, (Bologna, Italy), pp. 927-932.							
X		Williams, "Upper Bounds on Cold Fusion in Electrolytic Cells", Nature, vol. 342, 23 November 1989, pp. 375-384.							
SOL	\ \	Yamaguchi et al, "Direct EvidencePalladium", NTT Basic Research Laboratories, (1992) pp. 1-10.	-						
94	/	Ziegler, et. al., "Electrochemical Experiments in Cold Nuclear-Fusion", Physical Review Letters, Vol. 62, No. 25, June 19, 1989, pp. 2929-2932.							
A		Zweig, "Quark Catalysis of Exothermal Nuclear Reactions", Science, Vol. 201, (1978), pp. 973-979.							
OK		Fleming et al., "Calorimetric Studies of Electrochemical Incorporation of Hydrogen Isotopes into Palladium", J. of Fusion Energy, vol. 9, No. 4, (Dec. 1990), pp. 517-524							
OK		Broad, "Cold Fusion Claim is Faulted on Ethics as Well As Science" New York Times, (March 17, 1991) pp. 1 and 30							
OX.		Taubes, "Cold Fusion Conundrum At Texas A&M", Science, Vol. 248, (June 15, 1990), pp. 1299-1304							

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ØK		Henderson et al., "More Searches for Cold Fusion", J. of Fusion Energy, Vol. 9, No. 4, (December, 1990), pp. 475-477	
DK.		Bosch et al., "Electrochemical Cold Fusion Trials At IPP Garching', J. of Fusion Energy, Vol. 9, No. 2, (June 1990), pp. 165-186	
		Roders et al., "Cold Fusion Reaction Products and Their Measurement, J. of Fusion Energy, Vol. 9, No. 4, (December 1990), pp. 483-485	1
M		Albagli, et al., "Measurement and Analysis of Neutron and Gamma-ray Emission Rates", J. of Fusion Energy, Vol, 9, No. 2, (June 1990), pp. 133-148	
0	/	Myers et al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation", J. of Fusion Energy, Vol. 9, No. 3, (1990) pp. 30-37	
6X		Wilson et al., "Analysis of experiments on the calorimetry of LiOD-D₂O electrochemical cells", J. of Electroanalytical Chemistry, Vol. 332, Nos. 1 and 2, (August 14, 1992) pp. 1-31	
	1	Silvera et al., "Deuterated palladium at temperatures from 4.3 to 400 K and pressures to 105 kbar: Search for cold fusion", Physical Review B, Vol. 42, No. 14, (November 15, 1990) pp. 9143-9146	
Ok	/	Ewing et al., "A sensitive Multi-detector Neutron Counter", IEEE transactions on Nuclear Science, Vol. 37, No. 3, (June 1990) pp. 1165-1170	
Ø/		Hadfield, "Lukewarm reception for Japanese cold fusion", New Scientist, (October 31, 1992) Page 10	
0	1	Taylor et al., "Search for neutrons from deuterated palladium subject to high electrical currents", LA-UR 94-970 (May 4, 1994), pp. 1-11	
OK.		Huizenga, "Cold Fusion", C & EN Vol. 70, (July 20, 1992) Page 3	
OK		Huizenga, abstract from "New developments in the cold fusion saga" Abstracts of papers of the American Chemical Society, Vol. 207 (March 13, 1994), page 6	
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0	-	Dagani, "Cold fusion believer turned skeptic crusades for more rigorous research", C & EN (June 5, 1995) pp 34-35, 38 and 40	
Ø/		Morrison, "Review of cold fusion" Sov. Phys. Usp. 34, (December 1991) pp.1055- 1060	
ØK	/	Morrison, "Comments on claims of excess enthalpy by Fleischmann and Pons using simple cells made to boil", Physics Letters A, Vol. 185, (February 1994) pp. 498-502	
SK		Merriman et al., "An attempted replication of the CETI cold fusion experiment" pages 1-17 available at http://www.math.ucla.edu/~barry/CF/CETIX.html (かんい	٧ <i>٦</i> )
JK		"Italy-Cold Fusion & Judge's Verdict" (1996), pp. 1-3, available at http;www.padrak.com/ine/CFLIBEL.html	
OK		Miller, Memo from Bennett Miller to Dr. Robert W. Bass, dated October 9, 1997, pp. 1-	
OK		Morrison, "Cold Fusion Update No. 10, dated April 1, 1995, available at http://www.skypoint.com/members/jlogajan/files/morrison.txt, pp.1-8	
ØK		Shelton et al., "An assessment of claims of 'excess heat' in 'cold fusion' calorimetry", Thermochimica Acta 297 (1997), pp. 7-15	
N.		Shkedi et al., "Calorimetry, excess heat and Faraday efficiency", Fusion Technology, Vol. 28 (November 1995) pp. 1720-1731	
DK		"EarthTech's Campaign to Replicate one of the BackLight Power Excess Heat Results20 DEC97, available at : http://www.eden.com/_little/blp/prelim.html, pp.1-41	
DK.		Jones, "Serious Flaws in Patterson (SOFE '95) Demo on Cold Fusion", available at: http://x7.dejanews.com	
00/		Blue, "Cold Fusion Lies #6", pages 1, 2, available at: http://x7.dejanews.com	1997)
OX		Blue, "Randell Mills' sells pot shards" pages 1, 2, available at: http://x7.dejanews.com	PR/L199)
&X		Briars, "Critique of "New Energy, New Physics" story, pp. 1-9, available at: http://x7.dejanews.com	
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		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS									
Examiner Initials*	Cite No. 1										
		Fusion Digest, Gold Nuclear-Fusion-Bibliography, 1993									
	6	Fusion Digest, "Heat? Neutrons?-Charged Particles?", 1993									
		Brodowsky, "Solubility and diffusion of hydrogen and deuterium in palladium and palladium alloys", Technical Buttetin, Engelhard Indust, vol. 7, no. 1-2 (1966), pp. 41-50.									
		Prop. to the United Press; "Theory May Explain 'Cold Fusion'-Puzzle"; 1991; Lexis Nexis Reprint									
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04	J	Vigier, "New Hydrogen Energies in Specially Structured Dense Media: Capillary Chemistry and Capillary Fusion," Proceedings of the Third Annual Conf. on Cold Fusion, Nagoya, Japan, October 21-25, 1992, H. Ikegami, Ed. Universal Acadamy Press., pp. 325-334.	
6K		Dufour, et. al., "Interaction of Palladium/Hydrogen and Palladium/Deuterium to Measure the Excess Energy Per Atom for Each Isotope," Fusion Technology, Vol. 31, pp. 198-209, March 1997.	
		Vigier, "New Hydrogen (Debterium) Behr Orbits," Proc. TCCF4, Vol. 4, p. 7-1 (1994).	
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34				s, "Pysicist: Utah Cold- 1990, p. A3.	-Fusion Gear Doesn't Wor	k", The Washington		
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